

## Verfahren und Einrichtung zur Bestimmung von Substanzen, wie z. B. DNA-Sequenzen, in einer Probe

**Patent number:** DE19947616

**Publication date:** 2001-05-03

**Inventor:** BRANDENBURG ALBRECHT (DE)

**Applicant:** FRAUNHOFER GES FORSCHUNG (DE)

**Classification:**

- international: G01N21/64; G01N33/483; C12Q1/68

- european: G01N21/64H; G01N21/77B

**Application number:** DE19991047616 19991004

**Priority number(s):** DE19991047616 19991004; DE19991047316 19991001

**Also published as:**



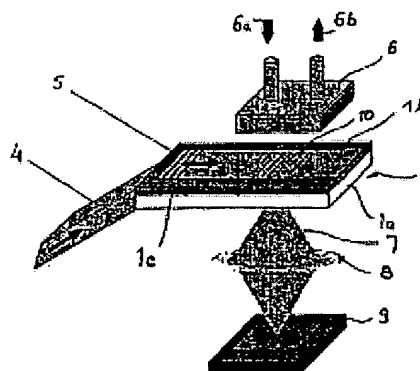
WO0125759 (A1)

EP1218727 (A1)

Report a data error here

### Abstract of DE19947616

The invention relates to a method and a device for determining substances, such as e.g., DNA sequences, in a sample. As the substances to be analysed contained in the sample react with complementary agents on a reaction support, they are also excited to the extent that they emit fluorescent light using the evanescent field of an excitation light. The reaction support has a planar light waveguide on its top surface. The immobilised complementary agents are located on said light waveguide and either the excitation light or the fluorescent light excited by the evanescent field of the same is guided in the planar light waveguide on the top surface of the reaction support, the fluorescent light being conveyed to a high-sensitivity resolution detector via a projection lens.



Data supplied from the esp@cenet database - Worldwide

BEST AVAILABLE COPY